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TI A method for production of environment-friendly titanium dioxide-containing building materials, with a capacity for decomposing nitrogen oxide (NOx) present as a pollutant in the atmospheric
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SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
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CC 58-2 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 59

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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
KR 2002058946	ICM	C04B024-40
	IPCI	C04B0024-40 [ICM,7]

AB An environment-friendly TiO2-containing building material was produced; the material is suitable in decomposition of nitrogen oxides (NOx) polluting the atmospheric and resulting in air purification The material can be applied to roads, wall coatings, and ceiling finishers, on a semipermanent basis without a need for subsequent maintenance. The building material, capable of decomposing NOx pollutant, was prepared from 1-20 weight% TiO2 powder (as a **photocatalyst** with size 0.1-200 μm and anatase crystal structure) and 80-99 weight% of conventional building materials (such as porous **concrete** or panel and **cement** paste or paint).

ST building material environment friendly titanium dioxide nitrogen oxide pollutant

IT **Cement**
Concrete
Construction materials
Paints
Photolysis catalysts
Roads